

Groundwater Management Plan Outline

Sonoma Valley

Updated 5-25-2007

Executive Summary

Introduction

Preparation of this GMP under the Basin Advisory Panel

- Formation of BAP

- DWR MOU

- Purpose of the Sonoma Valley GMP

- Authority to Prepare and Implement a GMP

- GMP Components

Water Resources Setting

- Groundwater Supplies

 - Hydrogeologic Setting

 - USGS Report

 - Data Gaps

 - Groundwater Quality

 - Recharge and Extraction of Groundwater

- Surface Water Supplies

 - Water Rights/Contract Entitlements

 - Surface Water Conditions

 - Surface Water Quality

- Recycled Water Supplies

- Water Conservation

 - VoM

 - CoS

 - SCWA

- Existing Facilities and Operations

 - Groundwater Facilities

 - Surface Water Facilities

- Future Facilities and Operations

- Water Year Types

- Water Use by Year Type

Management Plan Elements

- Groundwater Management Goal

- Basin Management Objectives

- GMP Components

- Component Category 1: Stakeholder Involvement

 - Involving the public

 - Actions

 - Public education

 - Actions

 - Involving other agencies within and adjacent to Sonoma Valley

 - Actions

- Utilizing advisory committees
 - Actions
- Developing relationships with state and federal agencies
 - Actions
- Pursuing partnership opportunities
 - Actions

Component 2: Monitoring Program

- Groundwater elevation monitoring
 - Actions
- Groundwater quality monitoring
 - Actions
- Land surface elevation monitoring
 - Actions
- Surface water-groundwater interaction monitoring
 - Actions
- Protocols for the collection of groundwater data
 - Actions
- Data management system
 - Actions
- Data Gaps
 - Actions

Component Category Three: Groundwater Resources Protection

- Well construction policies
 - Actions
- Well abandonment and destruction policies
 - Actions
- Wellhead protection measures
 - Actions
- Protection of recharge areas
 - Identify recharge areas and potentially high recharge area rates
 - Studies to evaluate recharge in the Sonoma Valley
 - Actions
- Control of the migration and remediation of contaminated water
 - Actions
- Control of saline water intrusion
 - Saline intrusion from Bay and other sources
 - Studies to further evaluate sources and distribution of salinity in groundwater
 - Actions

Component Category Four: Groundwater Sustainability

- Demand Reduction
 - Water conservation
 - Water recycling
 - Actions
- Conjunctive management activities
 - Actions

Component Five: Planning Integration

- Existing integrated planning efforts
 - Water Efficiency
 - Urban water management
 - Regional sanitation
 - Drinking Water Source Assessment and Protection (DWSAP) Program
 - Land use planning
 - Actions

Plan Implementation

Component Implementation

Stakeholder Involvement

Monitoring Program

Groundwater Resources Protection

Groundwater Sustainability

Planning Integration

Specific Actions Based on Monitoring Results

Special Studies

Component-Action Implementation Schedule List

Annual GMP Implementation Report

Future Review of GMP

Implementation Prioritization and Financing